

IN THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. (canceled)
2. (canceled)
3. (canceled)
4. (canceled)
5. (canceled)
6. (canceled)
7. (canceled)
8. (canceled)
9. (canceled)
10. (canceled)
11. (canceled)
12. (canceled)
13. (canceled)
14. (canceled)
15. (canceled)
16. (canceled)
17. (canceled)
18. (canceled)
19. (canceled)
20. (canceled)
21. (canceled)
22. (canceled)
23. (canceled)
24. (canceled)
25. (canceled)
26. (canceled)
27. (canceled)
28. (canceled)
29. (canceled)

- 30. (canceled)
- 31. (canceled)
- 32. (canceled)
- 33. (canceled)
- 34. (canceled)
- 35. (canceled)
- 36. (canceled)
- 37. (canceled)
- 38. (canceled)
- 39. (canceled)
- 40. (canceled)
- 41. (canceled)
- 42. (canceled)

43. (previously presented) A system for guiding the resection of a patient's bone during arthroplasty, said system comprising a resection guide adapted for guiding a cutting device relative to a patient's bone during arthroplasty, an alignment guide coupled to said resection guide and adapted for attachment to the patient's bone, said alignment guide including a first assembly for positioning said resection guide along a translational path, a second assembly for positioning said resection guide along a first rotational path, and a third assembly for positioning said resection guide along a second rotational path, and a computer navigation system coupled to said resection guide.

44. (previously presented) A system of claim 43, wherein said first and second rotational paths are about different axes.

45. (previously presented) A system of claim 44, wherein said axes are transverse to each other.

46. (previously presented) A system of claim 43, wherein said first, second and third assemblies each include a

locking device for securing said resection guide along said translational path and said first and second rotational paths.

47. (previously presented) A system of claim 43, further including an anchoring pin adapted to secure said alignment guide to a patient's bone.

48. (previously presented) A system of claim 43, further including a computer navigation tracker coupled to said resection guide.

49. (previously presented) A system of claim 43, further comprising a plane probe, said plane probe including a planar surface and coupling means for coupling said plane probe to a computer navigation tracker.

50. (previously presented) A system for guiding the resection of a patient's bone during arthroplasty, said system comprising a resection guide adapted for guiding a cutting device relative to a patient's bone during arthroplasty, an alignment guide coupled to said resection guide and adapted for attachment to the patient's bone, said alignment guide including a first assembly for positioning said resection guide along a translational path and a second assembly for positioning said resection guide along a first rotational path and a second rotational path, and a computer navigation system coupled to said resection guide.

51. (previously presented) A system of claim 50, wherein said first and second rotational paths are about different axes.

52. (previously presented) A system of claim 51, wherein said axes are transverse to each other.

53. (previously presented) A system of claim 50, wherein said first and second assemblies each include a locking device for securing said resection guide along said translational path and said first and second rotational paths.

54. (previously presented) A system of claim 50, further including an anchoring pin adapted to secure said alignment guide to a patient's bone.

55. (previously presented) A system of claim 50, further including a computer navigation tracker coupled to said resection guide.

56. (previously presented) A system according to claim 50, further comprising a plane probe, said plane probe including a planar surface and coupling means for coupling said plane probe to a computer navigation tracker.

57. (previously presented) A system for guiding the resection of a patient's bone during arthroplasty, said system comprising a resection guide adapted for guiding a cutting device relative to a patient's bone during arthroplasty, an alignment guide coupled to said resection guide and adapted for attachment to the patient's bone, said alignment guide including a first assembly for positioning said resection guide along a translational path and a second assembly for positioning said resection guide along a first rotational path and along a second rotational path, and a computer navigation system coupled to said resection guide.

58. (previously presented) A system of claim 57, wherein said first and second rotational paths are about different axes.

59. (previously presented) A system of claim 58, wherein said axes are transverse to each other.

60. (previously presented) A system of claim 57, wherein said first and second assemblies each include a locking device for securing said resection guide along said translational path and said first and second rotational paths.

61. (previously presented) A system of claim 57, further including an anchoring pin adapted to secure said alignment guide to a patient's bone.

62. (previously presented) A system of claim 57, further including a computer navigation tracker coupled to said resection guide.

63. (previously presented) A system according to claim 57, further comprising a plane probe, said plane probe including a planar surface and coupling means for coupling said plane probe to a computer navigation tracker.

64. (previously presented) A system for guiding the resection of a patient's bone during arthroplasty, said system comprising a resection guide adapted for guiding a cutting device relative to a patient's bone during arthroplasty, an alignment guide adapted for attachment to the patient's bone and adapted for positioning said resection guide along a translational path and along a plurality of rotational paths, and a computer navigation system coupled to said resection guide.

65. (previously presented) A system of claim 64, wherein said plurality of rotational paths are about different axes.

66. (previously presented) A system of claim 65, wherein said axes are transverse to each other.

67. (previously presented) A system of claim 64, wherein said alignment guide includes first and second assemblies each including at least one locking device.

68. (previously presented) A system of claim 67, wherein said locking device of said first assembly is adapted for securing said resection guide along said translational path.

69. (previously presented) A system of claim 67, wherein said locking device of said second assembly is adapted for securing said resection guide along said plurality of rotational paths.

70. (previously presented) A system of claim 69, wherein said second assembly includes a pair of locking devices,

each of said locking devices adapted for securing said resection guide along separate rotational paths.

71. (previously presented) A system of claim 64, further including an anchoring pin adapted to secure said alignment guide to a patient's bone.

72. (previously presented) A system of claim 64, further including a plane probe.

73. (previously presented) A system according to claim 63, further comprising a plane probe, said plane probe including a planar surface and coupling means for coupling said plane probe to a computer navigation tracker.

74. (canceled)

75. (canceled)

76. (canceled)

77. (canceled)

78. (canceled)

79. (canceled)

80. (canceled)

81. (canceled)